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DEC-2 2002  
TECHNOLOGY CENTER 2800

**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**The claims are amended as follows:**

1. (Twice Amended) An electromagnetic[The electromotive] device mounted to an automotive transmission and used in an oil containing sulfur, said electromagnetic device comprising:
  - an outer casing;
  - a moveable shaft supported by said outer casing;
  - a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft;
  - a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,
  - an electrically-insulating layer coated on said conducting wire; and
  - means for preventing sulfur compounds from permeating said electrically-insulating layer and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing the reduction in adhesive of the electrically-insulating layer to said conducting wire, wire breakage, and short circuiting between said conducting wires,
  - said preventing means comprising said electrically-insulating layer of a material resistant to permeation by sulfur compounds.